

In the claims:

1-18. (canceled)

19. (currently amended) A stage lighting apparatus comprising:

An an image projection lighting device for operation in theatrical fog comprising:

a base housing;

a yoke;

a lamp housing;

wherein the lamp housing is positionable in relation to the yoke by a motor;

wherein the yoke is positionable in relation to the base by a motor;

a processing system; and

a communications port located within the base housing;

the lamp housing comprising:

a video projector,

a filter system which has a first inlet and wherein the filter system is comprised of a first cooling fan, a first air filter and a second air filter,

the video projector comprising:

a video projector housing with a second air inlet, a second cooling fan, a light valve, and a lamp,

wherein cooling air external to the lamp housing enters the lamp housing through the first air inlet to pass through the first air filter to form a first filtered air;

wherein the first filtered air is passed through the second air filter to form a second filtered air;

wherein the first air filter filters theatrical fog particles greater than ten microns;

wherein the second air filter filters theatrical fog particles greater than one

micron; and

wherein at least a portion of the second filtered air is passed through the second air inlet to provide cooling air for the video projector.

and an air filter system, and

a fan located within the lamp housing;

~~wherein a condition of the air filter system is sensed by the processing system and the condition of the air filter system is communicated to a technician by the processing system.~~

20.(currently amended) A stage lighting apparatus comprising:

An an image projection lighting device for operation in theatrical fog comprising:

a base housing;

a yoke; and

a lamp housing;

a lamp;

a light valve;

wherein the lamp housing is positionable in relation to the yoke by a motor;

wherein the yoke is positionable in relation to the base housing by a motor;

further comprising a processing system;

a communications port; and

an air filter system; and

a fan; and

a display device;

the lamp housing comprising:

a cooling fan.

a first air inlet,

a first air filter,

a lamp, and

a light valve;

the base housing comprising a video monitor display device;

wherein the cooling fan, the air first inlet and the first air filter together form at least part of a filtration system for filtration of theatrical fog particles;

wherein cooling air external to the lamp housing enters the lamp housing through the first air inlet to pass through the first air filter to form a first filtered air; and

wherein a first communication as to a status of the first air filter to a technician is accomplished by the technician viewing the video monitor display device.

wherein the condition of the air filter system is sensed by the processing system and the condition of the air filter system is communicated to a technician by the processing system.

21. (currently amended) The ~~image projection lighting device stage lighting apparatus~~ of claim 20 ~~19~~ wherein

the first air filter is a prefilter that filters pyrotechnic particles

the air filter system is comprised of a prefilter and a secondary filter.

22. (currently amended) The ~~image projection lighting device stage lighting apparatus~~ of claim 21 wherein

the prefilter ~~first air filter~~ filters particles above 10 microns is a washable filter.

23. (currently amended) The ~~stage lighting apparatus image projection lighting device~~ of claim

~~24~~ 19 wherein

the second air filter is comprised of glass mat prefilter is dark in color.

24. (currently amended) The stage lighting apparatus ~~image projection lighting device~~ of claim

~~24~~ 23 wherein

~~the secondary second air filter filters out substantially all of fog particles above one micron is at least 99.97% efficient at .3 microns.~~

25. (currently amended) The stage lighting apparatus ~~image projection lighting device~~ of claim

~~24~~ 19 wherein

the secondary second air filter is a hepa filter.

26. (currently amended) The stage lighting apparatus of claim 19 wherein the first air filter is an open cell foam filter.

~~The image projection lighting device of claim 21 wherein~~

~~the secondary filter is fabricated of mat glass filter media.~~

27. (currently amended) The stage lighting apparatus ~~image projection lighting device~~ of claim

~~24~~ 19 wherein

the prefilter first air filter is detachable from the secondary second air filter.

28. (currently amended) The stage lighting apparatus ~~image projection lighting device~~ of claim

~~24~~ 19 wherein

the prefilter first air filter is fixed to the secondary second air filter so that it the first air filter

can not be detached from the ~~secondary~~ ~~second~~ air filter.

29. (currently amended) The stage lighting apparatus of claim 20 wherein
a second communication as to the status of the first air filter to the technician is
accomplished by projecting an image from the lamp housing of the image projection lighting
device.

~~The image projection lighting device of claim 27 wherein~~
~~the prefilter is washable.~~

30. (currently amended) The stage lighting apparatus of claim 20 further comprising
a pilot lamp; and

wherein a second communication as to a status of the first air filter to a technician is
accomplished by the technician viewing the pilot lamp.

~~The image projection lighting device of claim 21 wherein~~
~~the prefilter is an open cell foam.~~

31. (currently amended) The stage lighting apparatus of claim 20 wherein
a second communication as to the status of the first air filter is sent by the processor
from the communications port over a communications system to a central controller.

~~The image projection lighting device of claim 21 wherein~~
~~the secondary filter is comprised of glass fibers.~~

32. (currently amended) The stage lighting apparatus of claim 20 further comprising

a second air filter and the second air filter is washable.

The image projection lighting device of claim 20 wherein

~~the air filter system is comprised of mat glass media.~~

33. (currently amended) The stage lighting apparatus of claims 20 wherein
the first air filter is a glass matt filter.

The image projection lighting device of claim 32 wherein

~~the air filter is a hepa filter.~~

34. (currently amended) The stage lighting apparatus ~~image projection lighting device of claim~~
20 19 wherein

~~the a communication as to a status of the filtration system is sent to the technician is sent~~
~~over the by the processor from the communications port over communication a communications~~
system to a central controller.

35. (currently amended) The stage lighting apparatus ~~image projection lighting device of claim~~
24 19 wherein

~~the a communication as to a status of the filtration system to a the technician is~~
accomplished by projecting an image from the ~~lamp housing of the~~ image projection lighting
device.

36. (currently amended) The stage lighting apparatus ~~image projection lighting device of claim~~
20 19 further comprising

a monitor display device; and
wherein the monitor display device is a component of the base housing; and
wherein ~~the~~ a communication as to a status of the filtration system to the ~~a~~ technician is
accomplished by the technician viewing the monitor display device.

37. (currently amended) The ~~stage lighting apparatus~~ image projection lighting device of claim
36 ~~19~~ wherein further comprising a pilot lamp; and
wherein a communication as to a status of the filtration system to a technician is
accomplished by the technician viewing the pilot lamp.
~~the display device is a pilot lamp.~~

38. (currently amended) The ~~stage lighting apparatus~~ image projection lighting device of claim
20 ~~19~~ further comprising
a sound transducer; and
wherein a communication as to a status of the filtration system to a technician is
accomplished by the technician listening to a sound emitted by the sound transducer.
~~wherein the condition of the filter is communicated by a transducer.~~

39-62 (canceled).

63. (new) The stage lighting apparatus of claim 32 wherein
the second air filter is comprised of an open cell foam.

64. (new) The stage lighting apparatus of claim 20 wherein

the first air filter substantially filters theatrical fog particles greater than one micron.

65. (new) The stage lighting apparatus of claim 20 wherein

the first air filter is at least 99.97% efficient in filtering particles at or below three tenths of a micron.